

Notice of Allowability

Application No.

10/617,725

Examiner

Michelle A Lazor

Applicant(s)

CHENG, JAMES

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/14/03.
2. ☒ The allowed claim(s) is/are 1-4.
3. ☒ The drawings filed on 14 July 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☒ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Michelle A Lazor

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Douglas Jackson on 11/24/04.

The application has been amended as follows:

1. A laminating machine comprising:
 - two side frames;
 - a first roll rotatably mounted between the side frames, the first roll including an axle that has an end extending beyond one of the side frames, a first gear being securely mounted to the end of the axle of the first roll;
 - a second roll rotatably mounted between the side frames, the second roll including an axle that has an end extending beyond said one of the side frames, a second gear being securely mounted to the end of the axle of the second roll and meshing with the first gear;
 - a heating device enclosing the first roll and the second roll, leaving an inlet through which an object to be laminated enters the heating device and an outlet through which the object laminated by the heating device leaves the heating device;

said one of the side frames including a lug and a positioning member, a movable plate being pivotally mounted by a pivotal shaft to the lug and including a guide slot, the positioning member being slidably received and guided in the guide slot;

a unidirectional motor being mounted to a side of the movable plate and including an output shaft, a clutch gear being securely mounted to the output shaft to turn therewith, the output shaft of the motor ~~being~~ extending through the movable plate, allowing joint movement of the movable plate and the output shaft of the motor, the clutch gear being ~~optionally~~ meshed with either one of the first gear and the second gear upon pivotal movement of the movable plate between a first position and a second position, wherein when the movable plate is in the first position, the clutch gear meshes with the first power outputted by the motor is transmitted to the first gear and then the second gear meshed with the first gear, which causes the first roll and the second roll to move the object forward, and wherein when the movable plate is in the second position, the clutch gear meshes with the second gear such that the power outputted by the motor is transmitted to the second gear and then the first gear meshed with the second gear, which causes the first roll and the second roll to move the object rearward.

Allowable Subject Matter

1. Claims 1 – 4 are allowed.

There was no reference in the prior art search that disclosed, taught, or suggested a laminating machine comprising:

two side frames;

a first roll rotatably mounted between the side frames, the first roll including an axle that has an end extending beyond one of the side frames, a first gear being securely mounted to the end of the axle of the first roll;

a second roll rotatably mounted between the side frames, the second roll including an axle that has an end extending beyond said one of the side frames, a second gear being securely mounted to the end of the axle of the second roll and meshing with the first gear;

a heating device enclosing the first roll and the second roll, leaving an inlet through which an object to be laminated enters the heating device and an outlet through which the object laminated by the heating device leaves the heating device;

said one of the side frames including a lug and a positioning member, a movable plate being pivotally mounted by a pivotal shaft to the lug and including a guide slot, the positioning member being slidably received and guided in the guide slot;

a unidirectional motor being mounted to a side of the movable plate and including an output shaft, a clutch gear being securely mounted to the output shaft to turn therewith, the output shaft of the motor extending through the movable plate, allowing joint movement of the movable plate and the output shaft of the motor, the clutch gear being meshed with either one of the first gear and the second gear upon pivotal movement of the movable plate between a first position and a second position, wherein when the movable plate is in the first position, the clutch gear meshes with the first power outputted by the motor is transmitted to the first gear and then the second gear meshed with the first gear, which causes the first roll and the second roll to move the object forward, and wherein when the movable plate is in the second position, the clutch gear meshes with the second gear such that the power outputted by the motor is transmitted to the

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second gear and then the first gear meshed with the second gear, which causes the first roll and the second roll to move the object rearward.

The prior art found did not disclose a clutch gear which is meshed with either one of the first gear and the second gear upon pivotal movement of the moveable plate between a first position and a second position.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michelle A Lazor whose telephone number is 571.272.1232. The examiner can normally be reached on Thurs.-Fri. 5:45-4:15.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher A. Fiorilla can be reached on 571 272 1187. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michelle A Lazor
Examiner
Art Unit 1734

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